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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/577,479	04/27/2006	Yuichi Aoki	21604-00025-US1	8185
30678 7590 10/08/2008 CONNOLLY BOVE LODGE & HUTZ LLP				IINER
1875 EYE STREET, N.W. SUITE 1100 WASHINGTON, DC 20006			NGUYEN, THANH NHAN P	
			ART UNIT	PAPER NUMBER
			2871	
			MAIL DATE	DELIVERY MODE
			10/08/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
Office Action Comments	10/577,479	AOKI ET AL.			
Office Action Summary	Examiner	Art Unit			
	THANH-NHAN P. NGUYEN	2871			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	dress		
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim 11 apply and will expire SIX (6) MONTHS from 12 cause the application to become ABANDONEI	l. ely filed the mailing date of this co O (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on					
	-· action is non-final.				
•	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.				
dissect in assertations with the practice and in	x parte quayre, 1000 0.D. 11, 10	0.0.210.			
Disposition of Claims					
 4) Claim(s) 1-8 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 1 is/are rejected. 7) Claim(s) 2-8 is/are objected to. 8) Claim(s) are subject to restriction and/or 					
Application Papers					
9) ☐ The specification is objected to by the Examiner 10) ☑ The drawing(s) filed on 27 April 2006 is/are: a) Applicant may not request that any objection to the o Replacement drawing sheet(s) including the correction 11) ☐ The oath or declaration is objected to by the Examiner	☑ accepted or b)☐ objected to be drawing(s) be held in abeyance. See on is required if the drawing(s) is obj	37 CFR 1.85(a). ected to. See 37 CF	, ,		
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of 	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No d in this National	Stage		
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 7/16/07; 4/27/06.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:	te			

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Goto et al (US 5,694,245).

Goto et al disclose (Figs. 1, 2, 6; col. 7, lines 47-67; col. 8, lines 1-12) a rear projection display screen (14) comprising:

- a first optical member (40) which converts a diffusion light from a light source into
 a collimated light
- a second optical member (41) which converts the collimated light output from the first optical member to light having a proper output angle-luminosity distribution in the order from the light source side
- wherein at least a light-source side surface of the second optical member has a refractive index distribution

Claims 2-8 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the

base claim and any intervening claims.

Reason for allowance: There is no prior art of record that teaches or suggests a

rear projection display screen comprising a relationship of various elements as claimed

with the specific allowable subject matter cited in the following claims:

Claim 2:

wherein the refractive index distribution is set to a gentle distribution such that

the refractive index of a portion which is brought into contact with air assumes a

lowest value and the refractive index of a portion remotest from the air assumes

a highest value

Claim 3:

• wherein the refractive index distribution is set by changing an average refractive

index which is determined based on an abundance ratio between a plurality of

convex portions formed on a surface of the second optical member and air which

fills gaps defined between the convex portions in the direction perpendicular to

the surface of the second optical member

Claims 6-8 are allowed since they depend on allowed claim 2.

Claims 4 and 5 are allowed since they depend on allowed claim 3.

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The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure.

Hasegawa (US 2005/0018148) discloses a projection-type display apparatus

includes a screen having a prism, and a projection optical system for guiding image light

to the screen. The projection optical system includes a plurality of optical elements. An

optical element disposed nearest to the screen on an optical path of the image light

among the plurality of optical elements is a mirror.

Zou et al (US 6,106,128) disclose an illumination system has separate

components for extracting and directing light from a waveguide. The system eliminates

the need to provide a light directing array (LDA) that is optically and physically coupled

to the wavequide. It is more reliable and robust than previous illumination systems and

virtually eliminates the failures associated illumination systems having laminated LDAs.

Contact Information

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to (Nancy) Thanh-Nhan P. Nguyen whose telephone

number is 571-272-1673. The examiner can normally be reached on Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, David Nelms can be reached on 571-272-1787. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

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Patent Application Information Retrieval (PAIR) system. Status information for

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published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

-- September 29, 2008 TN

/David Nelms/

Supervisory Patent Examiner, Art Unit 2871